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YSON & another's COMPLETE SPECIFICATION.

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[This Drawing is a reproduction of the Original on a reduced scale]



Fig. 4.

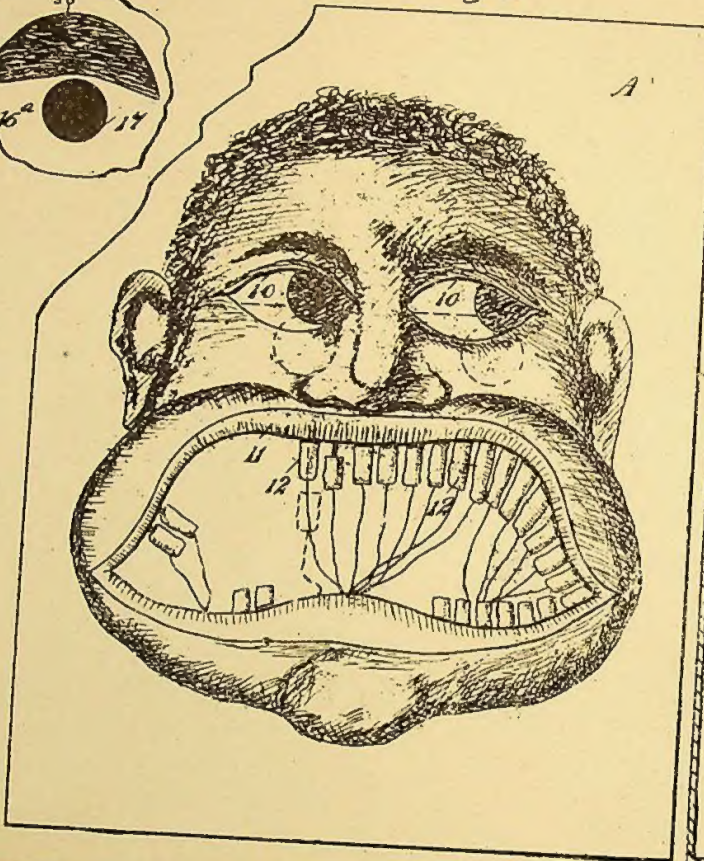


Fig. 1.

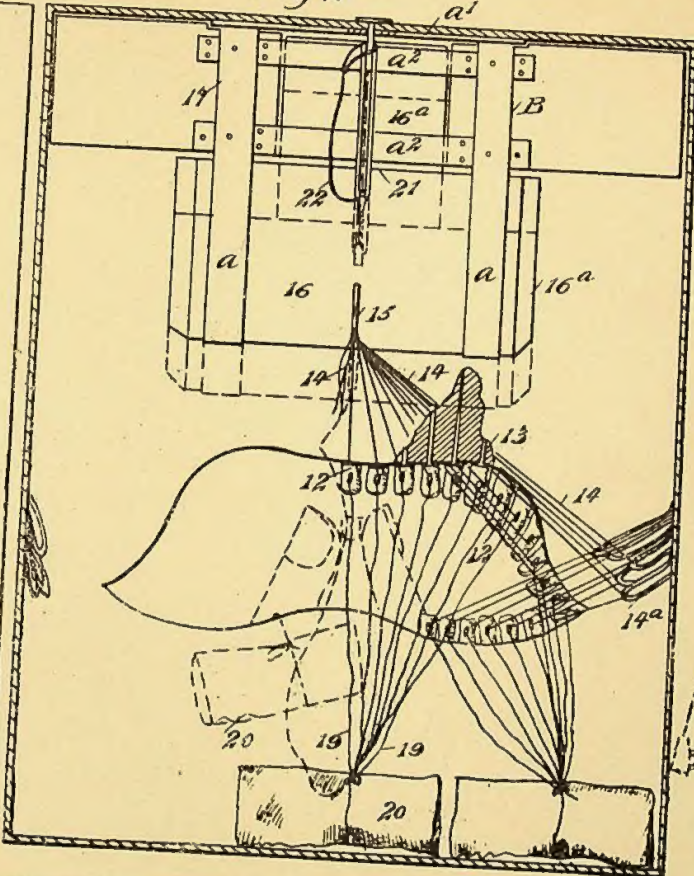
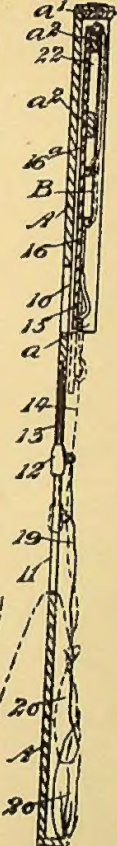


Fig. 2.

Fig. 3.



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COMPLETE SPECIFICATION.

Improvements in Vending Machines.

I, GEORGE ORRIN RANSON, of 22 North Third Street Portland, in the County of Multnomah and State of Oregon, United States of America, Cigar Dealer, and DUDLEY NATHAN BURWELL, of 309 Holliday Avenue, Portland, aforesaid Railway Postal Clerk, do hereby declare the nature of our invention and in what manner the same is to be performed, to be particularly described and ascertained in and by the following statement:—

The object of the invention is to provide a vending device which will be in the nature of a receptacle having a face produced thereon and openings in the face, representing the sockets of the eyes and the mouth opening, the eye sockets being provided with movable eye balls and the mouth with teeth detachable therefrom, the teeth being connected with the movable eye balls and likewise with packets of merchandise, so that as a tooth is drawn the eye balls will have such movement in their sockets as to produce an expression of pain on the representation of the face, and whereby when the tooth is detached from the mouth the eye balls will resume their normal position, and the packets of merchandise attached to the tooth may be drawn from the receptacle through the mouth opening together with the tooth.

The invention consists in the novel construction and combination of the several parts, as will be hereinafter fully set forth and pointed out in the claims.

Reference is to be had to the accompanying drawings forming a part of this specification, in which similar characters of reference indicate corresponding parts in all the figures.

Figure 1 is a front elevation of the device;

Figure 2 is a vertical section through the same, looking in the direction of the front;

Figure 3 is a vertical section through the front portion of the receptacle; and

Figure 4 is a detail view of a portion of the slide upon which the eye balls are produced.

In carrying out the invention, a receptacle A of any desired shape or size is provided, which may be made from any desired material. On an outer surface of the said receptacle the representation of a face is produced, preferably that of an amusing face, and the receptacle is provided with openings 10 which represent the eye sockets of the face, and a larger single opening 11, which will represent the open mouth of the face. In the mouth opening 11 any desired number of teeth 12 are provided, which are attached to the inner wall of the receptacle by means of strips of paper; or as shown in the drawings the teeth may be temporarily secured in the receptacle by means of stick pins 13 secured to the teeth and passed into the material of which the receptacle is made, as shown in Figure 2.

Each tooth is provided with a cord or a string, preferably a cotton thread 14 attached thereto, and the various threads are led upward to an engagement with a keeper 15 secured upon a slide 16, having movement in a slide way B, shown particularly in Figure 2. The strings 14 from the upper teeth are carried directly to the said keeper, but the strings from the lower teeth are passed over guide rollers or through guide loops 14^a secured to the sides of the receptacle, before being carried to the keeper 15, so as to prevent the strings from the lower set of teeth from interfering with the strings of the upper set.

The guide way B preferably consists of uprights *a* which are secured to the top of the receptacle by means of a suitable horizontal upper strip *a*¹, and near the upper portion of the receptacle the upright strips *a* are connected by transverse strips *a*².

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The slide 16 is preferably provided with a front facing 16^a of paper or a like material, which is provided with a tongue extending upward between the casing and the cross strips a¹, as shown in Figures 2 and 3. On the strip 16^a the representations of eye balls 17 are made, together with a shading or substantially crescent shaped panel 18, and when the slide 16 is in its normal position the eye balls will appear at the eye openings or sockets 10 in the face, as shown in positive lines in Figure 4; but when the slide 16 is drawn downward the eye balls 17 will show but little at the eye sockets or openings 10, as illustrated in dotted lines in Figure 1, the major portion of the said openings showing the shading 18, imparting to the face an expression of pain.

Each tooth has further attached to it a second string 19, and these strings are led downward to the bottom portion of the receptacle, and attached respectively to packets 20 containing merchandise or prizes of any desired character.

In operation when a tooth is pulled the slide 16 will be drawn downward producing the expression of pain on the representation of the face, and when the slide reaches its lowest position, further tension on the tooth will snap the thread 14 connecting it with the slide, and the slide will be returned to its upper or normal position through the medium of an attached spring 21, the downward movement of the slide being controlled by a strand 22 of cord, rope or other material, secured to the upper portion of the receptacle and to the slide immediately where the spring 21 connects with the latter. The tooth having been separated from the slide 16 may be drawn out through the mouth opening 11, carrying with it a packet 20 connected with the tooth by the aforesaid string 19, or its equivalent. The above described device will afford considerable amusement, especially to children while making a purchase.

Having now particularly described and ascertained the nature of our said invention, and in what manner the same is to be performed, we declare that what we claim is:—

1. In a vending device, a casing having an opening therein, a panoramic slide mounted in the said casing, removable objects located at the margin of the said opening, the said removable objects having a connection with the panoramic slide, operating the same when withdrawn, and means, substantially as described, for attaching merchandise to the aforesaid removable objects, as and for the purpose set forth.

2. In a vending machine, a casing having a simulation of a face thereon and provided with openings representing the mouth and the eye sockets, a slide mounted at the rear of the eye sockets and containing the representation of the eye balls, the slide being spring controlled, objects representing teeth, removably attached to the marginal portion of the mouth opening, and a connection between the said teeth and the said slide, the connection being so made that when an object representing a tooth is withdrawn the slide will be operated in a manner to produce an expression of pain on the representation of the face, as and for the purpose set forth.

3. In a vending device, the combination, with a receptacle having a representation of a face produced thereon, and provided with openings representing the eye sockets and an opening representing the open mouth, of objects representing teeth, removably attached to the marginal portion of the mouth opening, a spring controlled slide located at the rear of the eye sockets, and having the representation of eye balls produced thereon, the eye balls being visible at the said socket openings, a breakable connection between the object representing teeth and the said slide, the connection serving to operate the slide when an object representing a tooth is withdrawn, merchandise concealed within the said receptacle, and connections, substantially as described, between the various articles of merchandise and the various objects representing teeth, as and for the purpose specified.

4. In a vending machine, the combination, with a casing having openings therein representing eye sockets and an open mouth, and a spring controlled slide located at the rear of the eye sockets and having the representation of eye balls located

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thereon, of objects representing teeth, detachably secured to the receptacle at the margin of the mouth opening, thread connections between the various teeth and the slide, and threads leading from the teeth to the interior of the receptacle, and adapted for attachment to articles of merchandise, as and for the purpose specified.

- 5 5. As a new article of manufacture, a receptacle formed with an opening, separate packages of material contained within the receptacle and capable of being passed in and out thereof through the opening, detachable parts carried adjacent to the opening in the receptacle, and means respectively connecting each packet
- 10 of material with a detachable part, substantially as described.
6. As a new article of manufacture, a body portion formed with an opening therein, a series of removable parts carried by the main portion and adjacent to the opening, and separate packets of material respectively connected to the removable parts, substantially as described.
- 15 7. As a new article of manufacture a receptacle having a main portion formed with two openings, a series of removable parts carried by the main portion and adjacent to one opening, a slide movable adjacent to the remaining opening, a series of packets of material, and independent connections respectively between the removable parts and the packets of material, all of the connections being attached to
- 20 the slide, substantially as described.
8. A new article of manufacture consisting of a receptacle formed with two openings, a series of detachable parts held adjacent to one opening, a slide movable adjacent to the second opening, a number of packets of material contained within the receptacle and capable of passing outward through the opening to which the
- 25 attachable parts are adjacent, and independent connections respectively for the detachable parts and the packets of material, the connections being all attached to the slide, substantially as described.
9. A new article of manufacture having a body with an opening, detachable merchandise carrying devices held adjacent to the opening, a slide carried by the body,
- 30 and connections between the merchandise carrying devices and the slide, substantially as described.

Dated this 10th day of November 1896.

A. M. & WM. CLARK,
53 Chancery Lane, London, Chartered Patent Agents.